

simplify

Let $x = 2$, $y = 3$, $z = 2\frac{1}{2}$

Substitute and simplify

1) $x^y + yz$

2) $z(y + x^2)$

17. $(-4f^3)(-3m^3) =$

18. $(2c^2d^2)(-5cd^4) =$

19. $(4c^2)(-5c^7) =$

20. $(3x)(-4y^2)(6x^3y) =$

18) $\frac{8u^4}{7u^4v^3}$

20) $\frac{10x^5y^3}{x^3}$

22) $\frac{5x^3}{-8y^2}$

24) $\frac{2uv^2}{-u^2v^2}$

6. $\frac{d^3}{d^2} =$

8. $\frac{-54c^2d^4}{-8cd} =$

10. $\frac{45k^7r^3}{-3k^5} =$

12. $\frac{21k^9}{(3k)(7k^4)} =$

Problem Solving

1. Ann is 27 years less than twice Amy's age. Amy is 28 years older than her daughter, Kelsie, who is 10. How old is Ann?
2. Keith is 3 years older than Dale, who is 5 years more than half of his Uncle Bill's age. Uncle Bill is 84. How old is Keith?